

Yours Ref: 829-620

BEST AVAILABLE COPY
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,433,851

Issue Date: August 13, 2002

In re Patent Application of

SHIMADA et al

Serial No. 10/771,263

Filed: February 4, 2004

Atty. Ref.: 829-620

Group: 2871

Examiner: Chowdhury, Tarifur
Rashid

For: TRANSMISSION TYPE LIQUID CRYSTAL
DISPLAY HAVING A TRANSPARENT
COLORLESS ORGANIC INTERLAYER
INSULATING FILM BETWEEN PIXEL
ELECTRODES AND SWITCHING

* * * * *

MAIL STOP REISSUE
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

REISSUE DECLARATION

We, Takayuki Shimada, Masaru Kajitani, Masaya Okamoto, Naofumi Kondo, Mikio Katayama, Yoshikazu Sakuhana, Akihiro Yamamoto, Yukinobu Nakata, Hirohiko Nishiki and Yoshinori Shimada, depose and declare as follows:

1. We are the originally-named inventors for the captioned patent. At least at the time of filing the captioned application, we were employees of Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan. We assigned the captioned patent to Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan (our assignee).

2. Our residences, post office addresses and citizenships as of the time of filing the captioned reissue application are as stated below next to our names.

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Patent No. 6,433,851

3. We believe ourselves to be the original, first and joint inventors of the subject matter which is claimed in the reissue application Serial Number 10/771,363 filed on February 4, 2004 and for which the captioned reissue patent is sought on the invention entitled TRANSMISSION TYPE LIQUID CRYSTAL DISPLAY HAVING AN ORGANIC INTERLAYER ELEMENTS FILM BETWEEN PIXEL ELECTRODES AND SWITCHING, as amended by the preliminary amendment filed on June 28, 2004.

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| 7-254043 | Japan | September 29, 1995 |

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SHIMADA et al
Patent No. 6,433,851

Full name of first inventor: Takayuki SHIMADA

Inventor's signature _____ Date _____

Residence Yamatokoriyama-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 231-1-303, Jujo-cho,

Yamatokoriyama-shi, Nara-ken, Japan, 639-11

Full name of second inventor: Masaru KAJITANI

Inventor's signature _____ Date _____

Residence Osaka-shi, Osaka, Japan Citizenship Japanese

Post Office Address 1-1-24, Nishi-imagawa, Higashisumiyoshi-ku,

Osaka-shi, Osaka, Japan, 546

Full name of third inventor: Masaya OKAMOTO

Inventor's signature _____ Date _____

Residence Soraku-gun, Kyoto, Japan Citizenship Japanese

Post Office Address 4-16-2, Sakuragaoka, Seika-cho,

Soraku-gun, Kyoto, Japan, 619-02

Full name of fourth inventor: Naofumi KONDO

Inventor's signature _____ Date _____

Residence Ikoma-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 950-1-401, Tawaraguchi-cho,

Ikoma-shi, Nara-ken, Japan, 630-02

Full name of fifth inventor: Mikio KATAYAMA

Inventor's signature _____ Date _____

Residence Ikoma-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 4-19-15, Kita-yamato,

Ikoma-shi, Nara-ken, Japan, 630-01

SHIMADA et al
Patent No. 6,433,851

Full name of sixth inventor: Yoshikazu SAKUHANA

Inventor's signature Yoshikazu Sakuhana Date May 6, 2005

Residence Yamatokoriyama-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 187-1-205, Kobayashi-cho,

Yamatokoriyama-shi, Nara-ken, Japan, 630-02

Full name of seventh inventor: Akihiro YAMAMOTO

Inventor's signature _____ Date _____

Residence Tenri-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address Raport Tenri, 2613-1, Ichinomoto-cho

Tenri-shi, Nara-ken, Japan, 632

Full name of eighth inventor: Yukinobu NAKATA

Inventor's signature _____ Date _____

Residence Tenri-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address Raport Tenri, 2613-1, Ichinomoto-cho

Tenri-shi, Nara-ken, Japan, 632

Full name of ninth inventor: Hirohiko NISHIKI

Inventor's signature _____ Date _____

Residence Tenri-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address Raport Tenri, 2613-1, Ichinomoto-cho

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Full name of tenth inventor: Yoshinori SHIMADA

Inventor's signature _____ Date _____

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Patent No. 6,433,851

Full name of first inventor: Takayuki SHIMADA

Inventor's signature Takayuki Shimada Date 4/27/05

Residence Yamatokoriyama-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 231-1-303, Jujo-cho,

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Full name of second inventor: Masaru KAJITANI

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Full name of third inventor: Masaya OKAMOTO

Inventor's signature _____ Date _____

Residence Soraku-gun, Kyoto, Japan Citizenship Japanese

Post Office Address 4-16-2, Sakuragaoka, Seika-cho,

Soraku-gun, Kyoto, Japan, 619-02

Full name of fourth inventor: Naofumi KONDO

Inventor's signature Naofumi Kondo Date 5/16/05

Residence Ikoma-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address 950-1-401, Tawaraguchi-cho,

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Full name of fifth inventor: Mikio KATAYAMA

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Full name of seventh inventor: Akihiro YAMAMOTO

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Full name of eighth inventor: Yukinobu NAKATA

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Full name of ninth inventor: Hirohiko NISHIKI

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Full name of tenth inventor: Yoshinori SHIMADA

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Inventor's signature _____ Date _____

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Osaka-shi, Osaka, Japan, 546

Full name of third inventor: Masaya OKAMOTO

Inventor's signature Masaya Okamoto Date April 27, 2005

Residence Soraku-gun, Kyoto, Japan Citizenship Japanese

Post Office Address 4-16-2, Sakuragaoka, Seika-cho,

Soraku-gun, Kyoto, Japan, 619-02

Full name of fourth inventor: Naofumi KONDO

Inventor's signature _____ Date _____

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Full name of seventh inventor: Akihiro YAMAMOTO

Inventor's signature _____ Date _____

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Tenri-shi, Nara-ken, Japan, 632

Full name of eighth inventor: Yukinobu NAKATA

Inventor's signature Yukinobu Nakata Date April 27, 2005

Residence Tenri-shi, Nara-ken, Japan Citizenship Japanese

Post Office Address Raport Tenri, 2613-1, Ichinomoto-cho

Tenri-shi, Nara-ken, Japan, 632

Full name of ninth inventor: Hirohiko NISHIKI

Inventor's signature _____ Date _____

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Full name of second inventor: Masaru KAJITANI

Inventor's signature Masaru Kajitani Date May 9, 2005

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Ikoma-shi, Nara-ken, Japan, 630-01

SHIMADA et al
Patent No. 6,433,851

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Full name of tenth inventor: Yoshinori SHIMADA

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,433,851

Issue Date: August 13, 2002

In re Patent Application of

SHIMADA et al

Atty. Ref.: 829-620

Serial No. 10/771,263

Group: 2871

Filed: February 4, 2004

Examiner: Chowdhury, Tarifur
Rashid

For: TRANSMISSION TYPE LIQUID CRYSTAL
DISPLAY HAVING A TRANSPARENT
COLORLESS ORGANIC INTERLAYER
INSULATING FILM BETWEEN PIXEL
ELECTRODES AND SWITCHING

* * * * *

MAIL STOP REISSUE
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

REISSUE DECLARATION

We, Takayuki Shimada, Masaru Kajitani, Masaya Okamoto, Naofumi Kondo, Mikio Katayama, Yoshikazu Sakuhana, Akihiro Yamamoto, Yukinobu Nakata, Hirohiko Nishiki and Yoshinori Shimada, depose and declare as follows:

1. We are the originally-named inventors for the captioned patent. At least at the time of filing the captioned application, we were employees of Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan. We assigned the captioned patent to Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan (our assignee).

2. Our residences, post office addresses and citizenships as of the time of filing the captioned reissue application are as stated below next to our names.

SHIMADA et al
Patent No. 6,433,851

3. We believe ourselves to be the original, first and joint inventors of the subject matter which is claimed in the reissue application Serial Number 10/771,363 filed on February 4, 2004 and for which the captioned reissue patent is sought on the invention entitled TRANSMISSION TYPE LIQUID CRYSTAL DISPLAY HAVING AN ORGANIC INTERLAYER ELEMENTS FILM BETWEEN PIXEL ELECTRODES AND SWITCHING, as amended by the preliminary amendment filed on June 28, 2004.

4. We hereby state that we have reviewed and understand the contents of the above identified specification (e.g., the reissue application filed on February 4, 2004), including the claims, as amended by the preliminary amendment filed on June 28, 2004.

5. We further state that we have read and understood this Declaration.

6. We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

7. We hereby claim foreign priority benefits under title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

| <u>Application No.</u> | <u>Country</u> | <u>Day/Month/Year Filed</u> |
|------------------------|----------------|-----------------------------|
| 7-206367 | Japan | August 11, 1995 |
| 7-254043 | Japan | September 29, 1995 |

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8. We hereby claim priority benefit under title 35, United States Code, §120/365, of any U.S. application(s) listed below:

Prior United States Application(s):

| <u>Application No.</u> | <u>Day/Month/Year Filed</u> |
|------------------------|--|
| 09/592,857 | 12 June 2000 (now US Patent 6,195,138) |
| 09/110,134 | 6 July 1998 (now US Patent 6,097,452) |
| 08/695,632 | 12 August 1996 (now US Patent 6,052,162) |

9. We are seeking reissue of the captioned patent in view of our belief that the captioned application is wholly or partially inoperative by reason of the patentees claiming less than they had a right to claim in the original patent.

10. In particular, we believe that we had a right to claim the subject matter of reissue application claims such as claims 34 – 51. For example, an error which supports the filing of the reissue application was failure to claim a photosensitive resin on a substrate between gate and data lines and pixel electrodes at least in areas of overlap and areas adjacent source electrodes of the transistors, wherein the photosensitive resin has a dielectric constant in a particular range (e.g., a range of about 3.4-3.5 as recited in independent claim 34 and a range of from about 3.4 to about 3.8 as recited in independent claim 43).

11. All errors which are being corrected in the present reissue application up to the time of filing of this declaration arose without any deceptive intention on the part of the applicants.

12. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SHIMADA et al
Patent No. 6,433,851

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SHIMADA et al
Patent No. 6,433,851

Full name of sixth inventor: Yoshikazu SAKUHANA

Inventor's signature _____ Date _____

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Inventor's signature Hirohiko Nishiki Date April 25, 2005

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